

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) VI/99-024 . D	Application Number To be assigned
			Applicant(s) FRAZIER, et al.	
			Filing Date 7/18/2003	Group Art Unit To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JK	AA	3,523,523	8/11/1970	Reich, et al.			
	AB	3,812,843	5/28/1974	Wootten, et al.			
	AC	3,880,138	4/29/1975	Wootten, et al.			
	AD	3,888,239	6/10/1975	Rubinstein			
	AE	4,006,736	2/8/1977	Kranys, et al.			
	AF	4,044,757	8/30/1977	McWhorter, et al.			
	AG	4,502,488	3/5/1985	Degironimo, et al.			
	AH	4,585,009	4/29/1986	Barker, et al.			
	AI	4,613,328	9/23/1986	Boyd			
	AJ	4,619,653	10/28/1986	Fischell			
V	AK	4,677,980	7/7/1987	Reilly, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Transcribed	
							YES	NO
	AL	DE 44 40 619	8/31/1995	Germany				✓
	AM	DE 196 21 393	12/4/1997	Germany				✓
	AN	EP 0 105 550	4/18/1984	Europe				
	AO	EP 0 495 287	7/22/1992	Europe				
V	AP	EP 0 518 100	12/16/1992	Europe				✓

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

JK	AQ	Nishiura, N., et al., "An Optical and RF Telemetry Drug Injection Control and ECG System For Awake Small Animal Studies," Proceedings of the Annual International Conference of the Engineering in Medicine and Biology Society, Orlando, FL, IEEE, Vol. 13, Conf. 5, pages 2162-2163 (1991).
JK	AR	"Market Scan," Diagnostic Imaging, page 61 (September 1988).

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JK	AS	4,695,271	9/22/1987	Goethel			
	AT	4,737,712	4/12/1988	Stormont, et al.			
	AU	4,840,620	6/20/1989	Kobayashi, et al.			
	AV	4,854,324	8/8/1989	Hirschman, et al.			
	AW	4,885,538	12/5/1989	Hoenniger III, et al.			
	AX	4,981,137	1/1/1991	Kondo, et al.			
	AY	5,027,824	7/2/1991	Dougherty, et al.			
	AZ	5,030,201	7/9/1991	Palestrant			
	BA	5,134,373	7/28/1992	Tsuruno, et al.			
	BB	5,236,417	8/17/1993	Wallis			
▼	BC	5,244,461	9/14/1993	Derlien			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
JK	BD	EP 0 655 220	5/31/1995	Europe			
	BE	1-165010	11/17/1989	Japan			✓
	BF	1-223943	9/7/1989	Japan			✓
	BG	1-303139	12/7/1989	Japan			✓
▼	BH	5-84296	4/6/1993	Japan			✓

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JK	BI	Injectron MRT Brochure, Medtron MR-Injector, Technical Data (date unknown).
JK	BJ	CT/MR Injector Brochure, Ulrich GmbH & Co. KG, (November 1999).

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<i>JL</i>	BK	5,269,762	12/14/1993	Armbruster, et al.			
	BL	5,274,330	12/28/1993	Rindlisbacher, et al.			
	BM	5,300,031	4/5/1994	Neer, et al.			
	BN	5,342,298	8/30/1994	Michaels, et al.			
	BO	5,352,979	10/4/1994	Conturo			
	BP	5,354,273	10/11/1994	Hagen			
	BQ	5,357,959	10/25/1994	Fishman			
	BR	5,411,485	5/2/1995	Tennican, et al.			
	BS	5,417,213	5/23/1995	Prince			
	BT	5,458,122	10/17/1995	Hethuin			
<i>JL</i>	BU	5,464,014	11/7/1995	Sugahara			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<i>JL</i>	BV	7-178169	7/18/1995	Japan			✓
	BW	2752909	2/27/1998	Japan			✓
	BX	61-155846	7/15/1986	Japan			✓
	BY	WO 99/27847	6/10/1999	WIPO			
<i>JL</i>	BZ	WO 01/92907	12/6/2001	WIPO			
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
<i>JL</i>	CA	Mildenberger, A., "MR Jet Basic Configuration DM 29000," Automation GmbH (February 11, 1998).					
<i>JL</i>	CB	Salini, S., et al., "In Vitro Evaluation of a Mechanical Injector for Infusion of Magnetic Resonance Contrast Media," Technical Report, Investigative Radiology, Vol. 26, No. 8, pp. 748-751 (August 1991).					
EXAMINER <i>JL</i>		DATE CONSIDERED 6/8/06					
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<i>JK</i>	CJ	International Search Report for Counterpart PCT Application PCT/US01/40826.	
	CK	"Medrad Targets Market for MRI," Allison Hargraves, Pittsburgh Business Times," Vol. 7, No. 18, p1(2) (December 21, 1987).	
	CL	"Detection of Acute Avascular Necrosis of the Femoral Head in Dogs: Dynamic Contrast-Enhanced MR Imaging vs. Spin-Echo and STIR Sequences," AJR: 159, pgs. 1255-1261, December 1992.	
	CM	"An Infusion Pump That Works in MRI," Anesth. Analg. 1993: 77, pg. 645, Letters to the Editor.	
	CN	Mallinckrodt Optistar MR Digital Injection System, Operator's Manual, 801900-A (November 1999).	
	CO	Mallinckrodt Optistar MR Digital Injection System, Service and Parts Manual, 801902-A (April 2000).	
	CP	Medrad Spectris MR Injection System Service Manual, Catalog Number: SSM200 1, 92901-T-129, Rev. A (1996).	
↓	CQ	Medrad Spectris MR Injector Operation Manual, SOM 200E, 92901-T-107, Rev. E (1996).	
EXAMINER	<i>Tom Kl</i>		DATE CONSIDERED <b>6/8/06</b>
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REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translates	
						YES	NO

**OTHER DOCUMENTS** (*Including Author, Title, Date, Pertinent Pages, Etc.*)

<i>JK</i>	AB	Invivo Research Inc., Millennia 3155 MVS Monitor Operations Manual, IRI PN #9545, Release 3,(March 1998).
<i>JK</i>	AC	Invivo Research Inc., Omni-Trak 3150 MRI Patient Monitor Operations Manual, (January 1998).

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<i>CHL</i>	AD	Injektron 82 MRT User Instructions, Version MR2, pgs. 5, 30 and 31, (March 10, 1999).

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